

To: Garcia, David[Garcia.David@epa.gov]
Cc: Watson, Jane[watson.jane@epa.gov]; Nelson, Russell[nelson.russell@epa.gov]
From: McCoy, Melinda
Sent: Mon 8/10/2015 5:08:51 PM
Subject: FW: Water Quality Criteria - Animas River
Animas River (NM) - WQC.xlsx

As requested...email from Friday.

From: McCoy, Melinda
Sent: Friday, August 07, 2015 2:36 PM
To: Brown, Jamesr; Kirkland, Robert; McCasland, Mark; Garcia, David; Restivo, Angela
Cc: Foster, Althea; Crossland, Ronnie; Webster, Susan; Martinez, Maria; Crocker, Philip; Nelson, Russell
Subject: Water Quality Criteria - Animas River

Hi Everyone,

Earlier this morning, David and Maria asked me to compile the WQS applicable to the Animas River, and to identify any previous water quality impairments (303d listings) identified. Earlier today, I sent them a list of the applicable designated uses and the 303(d) listing information (see emails forwarded below).

Additionally, I have compiled an Excel spreadsheet showing the water quality criteria applicable to the two Animas River segments. Please see attached Excel file.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

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mccoy.melinda@epa.gov

From: McCoy, Melinda
Sent: Friday, August 07, 2015 11:31 AM
To: Garcia, David; Martinez, Maria; Brown, James
Cc: Nelson, Russell
Subject: Animas River WQS

Hi David and Maria,

The Animas River is a considered classified water. It is split into 2 segments between the NM/CO state line and it's confluence with the San Juan River. Estes Arroyo is the dividing line between the 2 segments. (See NMAC 20.6.4.403-404).

The table below shows the designated uses applicable to these 2 segments:

Animas from confluence with San Juan upstream to Estes Arroyo	Animas from Estes Arroyo upstream to NM/CO line
Marginal coldwater and warmwater	Coldwater
Primary Contact	Primary Contact
Public Water Supply	Public Water Supply
Industrial Water Supply	Industrial Water Supply

Irrigation
Livestock watering
Wildlife Habitat

Irrigation
Livestock watering
Wildlife Habitat

The criteria applicable to each of these designated uses can be found in NMAC 6.4.900 (see attachment). I can compile all of this into an Excel spreadsheet, but for the sake of time, I'm just including the attachment right now.

Note that the DO, temperature, and pH criteria differ for each aquatic life use:

Coldwater: dissolved oxygen 6.0 mg/L or more, 6T3 temperature 20°C (68°F), maximum temperature 24°C (75°F) and pH within the range of 6.6 to 8.8. Where a single segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Marginal Coldwater: dissolved oxygen 6 mg/L or more, 6T3 temperature 25°C (77°F), maximum temperature 29°C (84°F) and pH within the range from 6.6 to 9.0. Where a single segment-specific

temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Warmwater: dissolved oxygen 5 mg/L or more, maximum temperature 32.2°C (90°F) and pH within the range of 6.6 to 9.0. Where a segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature.

I'll send you the 303d information as soon as I gather it.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

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From: McCoy, Melinda
Sent: Friday, August 07, 2015 11:44 AM
To: Garcia, David; Martinez, Maria; Brown, James
Cc: Nelson, Russell
Subject: Animas 303d listings (2014-2016 reporting cycle)

Hi David, Maria, and Jim,

From New Mexico's 2014-2016 Integrated Report. Here are the impairments identified for the Animas River (categories 4 and 5).

8-digit HUC	AU_ID	AU Name	WQS	IR	STATUS	EPA	CYC
USGS			SIZE	REFERENCE	IMPACT	TMDL	FIRST
HUC				(by AU)	Category	Approval Date	LIST

14080104	has	NM- Animas River (Estes 18.8 MILES E. 404i	5/5B	TMDL	2013-092012	
2404_00		Arroyo to So. Ute Indian Tribe bnd)		Completed30		00:00:00
14080104	has	NM- Animas River (Estes 18.8 MILES E. 404i	5/5B	TMDL	2013-092012	
2404_00		Arroyo to So. Ute Indian Tribe bnd)	total	Completed30		00:00:00
14080104	has	NM- Animas River (Estes 18.8 MILES E. 404i	5/5B	303(d)		
2404_00		Arroyo to So. Ute Indian Tribe bnd)	Temperature	List (no TMDL in place)	1998	
14080104	has	NM- Animas River (Estes 18.8 MILES E. 404i	5/5B	303(d)		
2404_00		Arroyo to So. Ute Indian Tribe bnd)	Turbidity	List (no TMDL in place)	2012	
14080104	has	NM- Animas River (San 16.8 MILES E. 404i	4A	TMDL	2013-092012	
2403_00		Arroyo River to Estes Arroyo)		Completed30		00:00:00
14080104	has	NM- Animas River (San 16.8 MILES E. 404i	4A	TMDL	2006-012004	
2403_00		Arroyo River to Estes Arroyo)	Nutrient/Eutrophication	Completed17		00:00:00
14080104	has	NM- Animas River (San 16.8 MILES E. 404i	4A	TMDL	2013-092012	
2403_00		Arroyo River to Estes Arroyo)	Temperature	Completed30		00:00:00
14080104	has	NM- 9000 E. 404i	5/5A	303(d)		
2403_00		Beeline Farmington (Beeline Reservoir)	CRS M409 mercury in fish tissue	List (no TMDL in place)	2004	

Category Description

4A Available data and/or information indicate that at least one designated or existing use is not being supported, but a Total Maximum Daily Load (TMDL) is not needed because TMDLs have been already been established.

5A Available data and/or information indicate that at least one designated or existing use is not being supported and necessary TMDLs are underway or scheduled.

5B Available data and/or information indicate that at least one designated or existing use is not being supported and a review of the water quality standard will be conducted to verify appropriateness.

Melinda McCoy, Environmental Scientist

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